

Method for the identification of grape virus GVA, monoclonal antibodies (MAb) against GVA and a hybridoma cell line capable of producing the said monoclonal antibodies

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Inventor(s): MARTELLI-GIOVANNI PAOLO;; BOSCIA DONATO;; SAVINO VITO NICOLA
Applicant(s): CONSIGLIO NAZIONALE RICERCHE (IT)
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Abstract

Method for the identification of grape virus A by means of which extracts of vine tissues are tested for GVA infection using an ELISA diagnostic test, the success of which is due to a constituent component from a monoclonal antibody MAb-directed against an antigen determinant of GVA which is produced from a hybridoma obtained by the fusion of a myeloma from line SP20Ag14 (ATCC) with a BALB/c mouse splenocyte immunized against GVA which has the characteristics of an IgG1; after being captured with the MAb or any polyclonal antibodies which may in turn be captured with Protein A, the material under analysis is first placed in contact with the MAb and then with a specific antibody against MAb conjugated with an enzyme or with MAb conjugated with an enzyme and finally with a substrate for the enzyme.

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